



Application No. 09/462,067

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Masakazu FURUKAWA et al.

Appl. No.:

09/462,067 (National Stage of L

PCT/JP99/03086)

Art Unit 3742

RECEIVED

DEC 0 4 2003

Examiner: S. Paik TECHNOLOGY CENTER R3700

Intl Appl. Filed: June 9, 1999

U.S. Appl. Filed: January 5, 2000

For:

CERAMIC HEATER AND METHOD OF PRODUCING THE SAME AND

ELECTRICALLY CONDUCTIVE PASTE FOR HEATING BODY

FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, 1.97, and 1.98, Applicants hereby bring the following information to the attention of the Examiner in charge of the aboveidentified application, which includes information cited and discussed in a Korean Office Action issued in connection with counterpart Korean Application No. 10-2003-0038556, mailed September 19, 2003. A copy of the Korean Office Action, accompanied by an English language translation is being submitted herewith. The Examiner is invited to review this material to inspect the relevance indicated during the Korean examination with respect to the documents cited therein.

KR 10-0184846; which is accompanied by family member U.S. Patent No. 5,830,816, JP 3222134 B2, and the cover page of WO 92/02470; and

1

U.S. Patent No. 5,643,483, which was previously submitted in an Information Disclosure Statement on April 5, 2000.

Copies of the above-noted documents, with the exception of the previously considered U.S. Patent No. 5,643,483, are enclosed together with a duly completed Form PTO-1449. The Examiner is accordingly requested to consider this information, and to make the newly-cited information of record in this application by initialing in the appropriate spaces on the Form-1449. Accordingly, Applicants respectfully request that the Examiner include a copy of the initialed Form PTO-1449, submitted herewith, with the next communication from the U.S. Patent and Trademark Office.

In accordance with 37 C.F.R. 1.97(e), the undersigned hereby states that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. Of course, this statement does not apply to information that has previously been cited by Applicant or the Examiner in the present application as that information is already of record and no certification is necessary. Moreover, this statement does not apply to the identified family members, which are submitted for the Examiner's convenience.

Applicants note that this disclosure statement is being filed after close of prosecution and with certification. Therefore, a check including the amount of \$180.00 is enclosed. However, if the fee is deficient and/or if any additional fee is required for consideration of this disclosure statement, including any fee under 37 C.F.R. 1.17(p), Applicants hereby authorize that any required fee be charged to Deposit Account No. 19-0089.

P18520.A18

Application No. 09/462,067

Any comments or questions concerning this application can be directed to the undersigned at the telephone number given below.

Respectfully submitted,

Masakazu TURUKAWA, et al.

Frace H. Bernstein

Reg. No. 29,027

November 24, 2003

GREENBLUM & BERNSTEIN P.L.C.

1950 Roland Clarke Place

Reston, VA 20191

(703) 716-1191

| | | | | | | | | | epartment of tand Traden | | Atty. Docket No. P18520 | | Serial No. 09/462,067 | | | |
|---|-------------------|-------------------|--|-------|--|----------|-------|-------|--------------------------|-------------------|------------------------------|---------------|-----------------------|-----------------------|----------|--|
| INFORMATION DISCLOSURE STATE BY APPLICANT | | | | | | | | | | E | Applicant M. FURUKAWA et al. | | | | | |
| (Use several sheets if necessity) | | | | | | | | | NOV 24 | G, | Filing Date June 9, 1999 | | Group 3742 | | | |
| | | | | | | | | | A. | U.S.PATENT | DOCUMENTS | | | | | |
| EXAMINER | R DOCUMENT NUMBER | | | | | | | | TRAD | MC. | | | | FILING DATE | | |
| INITIAL | ┡ | h | | | T | П | MB | EK | DATE | NAME | | CLASS | SUBCLASS | IF APPRO | OPRIATE | |
| | _ | 5 | 8 | 3 | 0 | 8 | 1 | 6 | 11/03/98 | BURGER et a | 11. | | | | | |
| | | Ц | | | | <u> </u> | | | | | | | | | | |
| | | Ц | | | | _ | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | RECEIVED | | | | | | |
| | | | | | | | | | | DEC (| DEC 0 4 2003 | | | | | |
| | | | | | | | | | | | CENTER R3700 | | | | | |
| | | | | | | | | | | LOTHIOLOGI | OLIVILITION DO. | | | | | |
| | | | | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | | | | |
| | | | | | | | | | FO | REIGN PATE | NT DOCUMENTS | | | | | |
| | | DOCUMENT NUMBER [| | | | | | ER | DATE | COUNTRY | | CLASS | SUBCLASS | TRANSLATION YES NO | | |
| 10 | - | 0 | 1 | 8 | 4 | 8 | 4 | 6 | 06/11/93 | KOREA | | | | | | |
| | | 3 | 2 | 2 | 2 | 1 | 3 | 4 | 01/27/94 | JAPAN | | | | | | |
| | 9 | 2 | / | 0 | 2 | 4 | 7 | 0 | 02/20/92 | W.I.P.O. | COVER PAG | E ar | 120/03 | | | |
| | Π | | | | | | | | | | | | | | - | |
| | | | | | | | | | | | | | | | | |
| | _ | | | | <u>. </u> | OT | HE | R DO | CUMENTS | (Including Au | thor, Title, Date, Pert | inent Pages, | Etc.) | | | |
| | Π | 1 | ENGLISH LANGUAGE ABSTRACT OF JP-3222134. | | | | | | | | | | | | | |
| | T | \vdash | | | | | | | | | | | | | | |
| | T | - | \vdash | | | | | | | | | | | | | |
| | | | \vdash | | | | | | | | | | | | | |
| EXAMINER | | | <u> </u> | | | | | | | | DATE CONSIDER | ED | | | | |
| *EXAMINER: | Init | ial i | f cit | ation | con | side | red, | whe | ther or not ci | tation is in conf | ormance with MPEP 6 | 09; Draw line | through citation | if not in conf | formance | |
| and not conside | red | . ın | ciud | e co | ру о | ı ını | 2 101 | ın wı | ui next comi | nunication to ap | рисан. | | | | | |